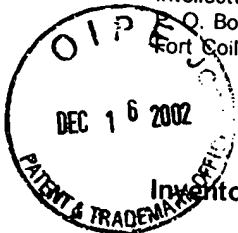


HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P.O. Box 272400
Fort Collins, Colorado 80527-2400



GAU 2822
PATENT APPLICATION

ATTORNEY DOCKET NO. 10007763 -1

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Zhizhang Chen et al

Confirmation No.: 4496

Application No.: 09/846047

Examiner: K. Rose

Filing Date: Apr 30, 2001

Group Art Unit: 2822

Title: Silicon-Based Dielectric Tunneling Emitter

COMMISSIONER FOR PATENTS
Washington, D.C. 20231

TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT

Sir:

Transmitted herewith is/are the following in the above-identified application:

- (X) Response/Amendment
(X) New fee as calculated below
() No additional fee (Address envelope to "Box Non-Fee Amendments")
(X) Other: 3 Copies of Exhibits A-D; RED Marked Drawings (fee \$)
- (X) Petition to extend time to respond
(X) Supplemental Declaration

CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY						
(1) FOR	(2) CLAIMS REMAINING AFTER AMENDMENT	(3) NUMBER EXTRA	(4) HIGHEST NUMBER PREVIOUSLY PAID FOR	(5) PRESENT EXTRA	(6) RATE	(7) ADDITIONAL FEES
TOTAL CLAIMS	47	MINUS	63	= 0	X \$18	\$ 0
INDEP. CLAIMS	6	MINUS	9	= 0	X \$84	\$ 0
[] FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM					+ \$280	\$ 0
EXTENSION FEE	1ST MONTH \$110.00	2ND MONTH \$400.00	3RD MONTH \$920.00	4TH MONTH \$1440.00		\$ 400
OTHER FEES						\$
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						\$ 400

Charge \$ 400 to Deposit Account 08-2025. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 08-2025 pursuant to 37 CFR 1.25. Additionally please charge any fees to Deposit Account 08-2025 under 37 CFR 1.16 through 1.21 inclusive, and any other sections in Title 37 of the Code of Federal Regulations that may regulate fees. A duplicate copy of this sheet is enclosed.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231.

Date of Deposit: 12/4/02

Typed Name: Timothy F. Myrs

Signature: Timothy F. Myrs

Respectfully submitted,

Zhizhang Chen et al

By

Timothy F. Myrs

Attorney/Agent for Applicant(s)

Reg. No. 42,919



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#10/A
Jesse
12/20/02

re application of: Chen, Zhizhang, et al.

Art Unit: 2822

Serial Number: 09/846,047

Examiner: Rose, Kiesha L

5 Filed: April 30, 2001

Attorney Docket: 10007763-1

Title: SILICON-BASED DIELECTRIC TUNNELING EMITTER

Date: December 4, 2002

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DEC 18 2002
TECHNOLOGY CENTER 2800

10 AMENDMENT UNDER 37 CFR § 1.111

TO THE ASSISTANT COMMISSIONER FOR PATENTS:

Sir:

15 In response to the Office Action dated July 18, 2002 please amend the above-identified patent application as follows:

In the Drawings:

20 Please approve the proposed drawing changes to Fig. 7 and Fig. 11L shown in red markup.

In the Specification:

25 Please replace the paragraph on page 5 lines 13-25 with the following:

AA
Fig. 2 is an exemplary diagram of a use for the emitter 50 of Fig. 1. In this application, the electron emission 16 is focused by an electrostatic focusing device or lens 28, exemplified as an aperture in a conductor that is set at
30 predetermined voltage 36 that can be adjusted to change the focusing effect of the lens 28. Those skilled in the art will appreciate that lens 28 can be made from more than one conductor layer to create a desired focusing effect. The electron emission 16 is focused by lens 28 into a focused beam 32 onto an anode structure 30. The anode structure 30 is set at an anode voltage V_a 26 which